

CATALYST SYSTEM AND ITS USE IN A POLYMERIZATION PROCESS

ABSTRACT

Disclosed are polymerization catalyst activator compounds which include a Group 13 atom, preferably boron or aluminum, bonded to at least one heterocyclic groups. The heterocyclic group preferably contains one or more heteroatoms selected from Group 15 and/or 16, and may be unsubstituted or substituted. Preferably, the heterocyclic ligand is substituted with a halogen atom or a halogen containing group, where the halogen is preferably fluorine. Also disclosed are olefin(s) polymerization processes utilizing the invention.